

Study Calendar 2013B

S382 Astrophysics



Study week	Start date	Book/Chapter	Other Components	Assignment Number	*Cut-off date / Recommended Completion date
0	26 Jan	Make sure you have looked at the preparatory material before starting the module.	VLE: Your VLE profile VLE: Intro to VLE module forum VLE: Intro to Elluminate		
1	2 Feb	Part 1 Stellar evolution and nucleosynthesis Chapter 1 Main-sequence stars	DVD: Photosphere of the Sun		
2	9 Feb	Chapter 2 Gravitational contraction	Web: The most massive stars		
3	16 Feb	Chapter 3 Nuclear fusion		iCMA51	21 Feb
4	23 Feb	Chapter 4 From main sequence to red-giant branch			
5	2 Mar	<i>Consolidation week</i>		TMA01	7 Mar
6	9 Mar	Chapter 5 Helium-burning stars	Web: Globular Clusters CMDs		
7	16 Mar	Chapter 6 Late stages of stellar evolution	DVD: Visualizing Stellar Evolution		
8	23 Mar	Chapter 7 Supernovae, neutron stars and black holes		TMA02	28 Mar
9	30 Mar	Chapter 8 Star formation	VLE: Intro to VLE wiki		
10	6 Apr	<i>Consolidation week</i>		iCMA52	11 Apr
11	13 Apr	Part 2 Astrophysical data analysis project (ADAP) SDSS/PIRATE week 1			
12	20 Apr	SDSS/PIRATE week 2			
13	27 Apr	SDSS/PIRATE week 3		iCMA53	2 May
14	4 May	SDSS/PIRATE week 4		TMA03	9 May
15	11 May	SDSS/PIRATE week 5			
16	18 May	SDSS/PIRATE week 6			
17	25 May	SDSS/PIRATE week 7			
18	1 Jun	SDSS/PIRATE week 8			
19	8 Jun	SDSS/PIRATE week 9			
20	15 Jun	SDSS/PIRATE week 10			
21	22 Jun	SDSS/PIRATE week 11		Group Wiki	27 Jun
22	29 Jun	Part 3 Transiting exoplanets Chapter 1 Our solar system from afar		Progress Reports	4 Jul
23	6 Jul	Chapter 2 Exoplanet discoveries by the transit method	Web: A first look at Extrasolar Planets Encyclopaedia		
24	13 Jul	Chapter 3 What the transit lightcurve tells us		iCMA54	18 Jul
25	20 Jul	Chapter 4 The exoplanet population	Web: A second look at Extrasolar Planets Encyclopaedia		
26	27 Jul	<i>Consolidation week</i>		TMA04	1 Aug
27	3 Aug	Chapter 5 Transmission spectroscopy and the Rossiter-McLaughlin effect	Web: Rossiter-McLaughlin effect Web: Transmission spectroscopy		
28	10 Aug	Chapter 6 Secondary eclipses and phase variations	Animation: Secondary eclipse and phase variations Web: Secondary eclipses Web: Phase variations		
29	17 Aug	Chapter 7 Transit timing variations and orbital dynamics		TMA05	22 Aug
30	24 Aug	Chapter 8 Brave new worlds			
31	31 Aug	<i>Consolidation week</i>		iCMA55	5 Sep
32	7 Sep	Revision	Final cut-off date for iCMAs	iCMA51-55	7 Oct

*Cut-off date (TMAs) / Recommended completion date (iCMAs)

Continuous assessment component: Formative / Thresholded. Threshold on each iCMA is 30%; threshold on each TMA is engagement with Learning Outcomes (30%). Students must exceed the threshold on 8 of the 10 iCMAs/TMAs to pass the module. **Substitution:** N/A

Examinable component: Two examinable components EC1 (Part 2 of the module); EC2 (Parts 1 and 3 of the module). **Notes:** EC1 is a portfolio based on a group wiki (50%) and individual progress reports (50%); EC2 is a standard exam. Overall exam score weights are 1/3 EC1 and 2/3 EC2.